

19980201.qrp v00_n988.qrs.980201

Date: Sun, 1 Feb 1998 19:03:48 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 988

QRP-L Digest 988

Topics covered in this issue include:

- 1) [2603] Elmer Project
by Gary Montalbino <garymon@gte.net>
- 2) [2604] Fox Hunting on HF...
by Sam <kc5tja@animeonline.ml.org>
- 3) [2605] Re: Night fo the Living Dead QRP op
by "Marshall Emm" <mgemm@mtechnologies.com>
- 4) [2606] Re: MFJ 90x0 rigs schematic diagram on net ?
by "Ken Hanks" <kennfd@ibm.net>
- 5) [2607] Re: Novice calls from the 50's...oops, 60's
by Jack Parker <Pparker@greatbasin.net>
- 6) [2608] Re: MFJ 90x0 rigs schematic diagram on net ?
by Monte Stark <ku7y@sage.dri.edu>
- 7) [2609] Fist Novice Round Up
by teixeira@ccnet.com (T E I X E I R A)
- 8) [2610] Re: Night fo the Living Dead QRP op
by borealis@juno.com
- 9) [2611] More Elmer statistics
by Paul Harden <pharden@aoc.nrao.edu>
- 10) [2612] Wattmeters - OHR vs Ten Tec
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 11) [2613] Re: test new E-mail address
by "Frank A. West" <ke6vhm@earthlink.net>
- 12) [2614] Re: MFJ 90x0 rigs schematic diagram on net ?
by olyellr@iglou.com
- 13) [2615] "Art of Electronics" out there?
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 14) [2616] Re: Novice Calls of the 60's
by nq2rp@juno.com (B/BAMS Club Station)
- 15) [2617] SST
by dave_epps@juno.com
- 16) [2618] Re: QRP in the 1950s
by Chuck Carpenter <w5usj@webwide.net>
- 17) [2619] Re: MFJ 90x0 rigs schematic diagram on net ?
by "Ken Hanks" <kennfd@ibm.net>
- 18) [2620] Re: Young blood (formerly Novice calls)
by "David Jones" <kk7gw@hotmail.com>
- 19) [2621] Re: [2504] (Novice) calls from the past

- by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 20) [2622] Re: [2554] Sprat Index
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 21) [2623] Re: Young blood (formerly Novice calls)
by Sam <kc5tja@animeonline.ml.org>
- 22) [2624] Lifeboat Key?
by "Marshall Emm" <mgemm@mtechnologies.com>
- 23) [2625] ten tec 1330 mtr qrp rig (fwd)
by George Gingell <k3tks@u1.abs.net>
- 24) [2626] Re: More Elmer statistics
by Robert Bayha <rbayha@ix.netcom.com>
- 25) [2627] corrected email address
by George Gingell <k3tks@u1.abs.net>
- 26) [2628] Diode Mixers
by Sam <kc5tja@animeonline.ml.org>
- 27) [2629] NOT QRP - JUNO speed up
by Bill Todd <bill@willapabay.org>
- 28) [2630] Re: NOT QRP - JUNO speed up
by Bob Patten <n4bp@bc.seflin.org>
- 29) [2631] Re: Sprat Index
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 30) [2632] 60's Twilight Zone
by "Gobrick, Robert (rgob)" <rgob@tengizchevroil.com>
- 31) [2633] K1TTT Web site
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 32) [2634] Re: Novice calls from the 60's
by DMRAWSON@aol.com
- 33) [2635] twilight zone?
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 34) [2636] Correction on K1TTT site URL
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 35) [2637] QRP Inmarsat-M station
by jmbrown@edge.net (JERRY BROWN)
- 36) [2638] Re: More Elmer statistics
by Bruce Rattray <rattray@gpfn.sk.ca>
- 37) [2639] Re: More Elmer statistics
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 38) [2640] FS: TenTec Agrosy, Icom IC820H VHF/UHF
by Jack Mc Kie <mjmckie@frontiernet.net>
- 39) [2641] x
by GERALDCUND@aol.com
- 40) [2642] Pixie2 pwr output?
by penzo@juno.com (Michael A Penzo)
- 41) [2643] Re: NOT QRP - JUNO speed up
by k4wam@juno.com (Bill McKay)
- 42) [2644] Sending Circad files via Email
by David Shalita <af389@lafn.org>
- 43) [2645] 30 meter QRP-dition 13 to 26 FEB KA20IG\HR6

by km@PACT.ORG.PE ()

44) [2646] Re: Correction on K1TTT site URL
by Roger Hightower <n7kt@earthlink.net>

45) [2647] Novice calls-1960's
by wa8jpr@juno.com

46) [2648] Tuna Tin 2 PCB
by Roger Hightower <n7kt@earthlink.net>

47) [2649] Novice Calls
by herr@ridgecrest.ca.us (Michael Herr)

48) [2650] Re: OOPS -- QRP in the 1950s
by Chuck Carpenter <w5usj@webwide.net>

49) [2651] Re: Novice calls from the 50's...oops, 60's
by "William R. Moore" <wr.moore@worldnet.att.net>

50) [2652] JUNO fix comments
by Bill Todd <bill@willapabay.org>

51) [2653] Re: NOT QRP - JUNO speed up
by Bill Todd <bill@willapabay.org>

52) [2654] Re: twilight zone?
by Monte Stark <ku7y@sage.dri.edu>

53) [2655] Norcal meeting
by dave_epps@juno.com

54) [2656] Re: tuna tin 2
by Roger Hightower <n7kt@earthlink.net>

55) [2657] NA SPRINT SSB
by flydnq7x@primenet.com (Floyd Smithberg)

56) [2658] Re: Sending Circad files via Email
by Sam <kc5tja@animeonline.ml.org>

57) [2659] Re: More Elmer statistics
by Clay <wyn@worldnet.att.net>

58) [2660] AT11 RFI experiment; longish
by "Jim Sharp" <lobar@doitnow.com>

59) [2661] How do you
by AF5U@aol.com

60) [2662] Re: NOT QRP - JUNO speed up
by Bill Todd <bill@willapabay.org>

61) [2663] Old stuff
by William Penhallegon <w4stx@gte.net>

62) [2664] Novices in the 60's
by Bensondj@aol.com

63) [2665] MAV-11 mini-circuits
by "J. Skalski" <jskalski@acsu.buffalo.edu>

64) [2666] EleCraft / SG2020
by Mark Gilger <mgilger@concentric.net>

65) [2667] WTB: Key
by Ed <edn4pk@VoyagerOnline.net>

66) [2668] MISSING SELLERS ADDRESS
by RangerSF5@aol.com

67) [2669] Re: EleCraft / SG2020

by Kory Hamzeh <kory@avatar.com>
68) [2670] Re: Novice Round-Up?
by Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
69) [2671] Economic reality (was: Juno)
by Laura Halliday <ve7ldh@direct.ca>

Date: Sat, 31 Jan 1998 19:00:20 -0500
From: Gary Montalbino <garymon@gte.net>
To: "qrp-l@lehigh.edu" <qrp-l@Lehigh.EDU>
Subject: [2603] Elmer Project
Message-ID: <34D3BB14.BE40DE4@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My CW level of competence is extremely low. I have been away from Ham radio for quite awhile. I look forward to the Elmer project to improve my knowledge. However I would prefer to build the White Mountain SSB kit (WM-40). Is there enough similarity in the kits that I could benefit from the circuit descriptions? Perhaps there are other's with the same desire so that both kits could be covered. I certainly don't want to put an added burden on any of the instructors however.

73
Gary,
WA4SZI

Date: Sat, 31 Jan 1998 17:11:11 -0800 (PST)
From: Sam <kc5tja@animeonline.ml.org>
To: QRP-L@Lehigh.EDU
Subject: [2604] Fox Hunting on HF...
Message-ID: <Pine.LNX.3.96.980131170839.308G-100000@animeonline.ml.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am aware of fox hunting on VHF -- that typically involves using directional antennae to locate the position of someone (the fox).

But on HF, this is confusing me. :) Most people seem to be happy with,

"Wow! I found him on 7.15MHz!" or something, but fail to give a direction.

My guess is that this is due to the massive sizes of the antennae (with respect to VHF of course), and HF's propagation making true direction finding a bit difficult.

So, let me ask this: what procedures do HF foxes do that is different from a VHF fox hunt?

Thanks for the input.

(If the answer is what I think it is, I'll volunteer to be a fox sometime on a weekend, once I get my homebrew radio's transmitter done. That won't be for a while yet, though...)

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=====
KC5TJA/6      |          -| TEAM DOLPHIN |-
QRP-L #1447   |          Chief Architect and Project Founder
               |          (web page under construction)
```

Date: Sat, 31 Jan 1998 17:18:45 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: "Bob Kellogg" <ae4ic@nr.infi.net>
Cc: qrp-l@Lehigh.EDU
Subject: [2605] Re: Night fo the Living Dead QRP op
Message-ID: <199802010018.RAA22571@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, Bob--

>>How long do you suppose you have been dead? A friend of mine said he was trying to get in touch with you last week.
<<

E-mail is still working, apparently. I believe it is being channelled through Shirley Maclean.

>>Do you know for sure where you are?
<<

It's probably purgatory, which doesn't seem to be much different from where I spent my living life. I'm guessing it's not Hell, because it isn't frozen over and the Bronco's DID win the Superbowl.

>>and progressed to the internet, now this. Are we on the leading edge of technology, or what?!!
<<

Absowhatever! I know Wayne Green will be very interested-- I'll probably get a couple thousand words in "Never Shut Up."

>>P.S. Does St. Peter really have a long white beard like Santa Claus?
<<

That I can't tell you, having never actually seen him. Santa, that is. But I can tell you that there is definitely a special place in Heaven for QRPers.

73
Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com>
(303)752-3382
--

Date: Sat, 31 Jan 1998 19:43:03 -0500
From: "Ken Hanks" <kennfd@ibm.net>
To: <lewise@inetport.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [2606] Re: MFJ 90x0 rigs schematic diagram on net ?
Message-ID: <01bd2eaa\$5acc5320\$localhost@kh>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It is my understanding that MFJ is very reluctant to distribute their schematics.

73,

Ken K1XS@ibm.net

Date: Sat, 31 Jan 1998 16:55:20 -0800
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-l@Lehigh.EDU
Subject: [2607] Re: Novice calls from the 50's...oops, 60's
Message-ID: <3.0.1.32.19980131165520.0069de10@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Forgot one interesting item in last post...during the first month I was licensed I got a SWL "QSL", which was my best DX to that point...I was on 40-meters and the fellow who heard me was listening on 20-meters in Grand Island, Nebraska.

I'll never forget how scared that 10-year-old was upon seeing the pink slip from the FCC Monitoring Station!

72/73,

Jack Parker, W7PW
QRP-L #1310, 10GHz VUCC #3, 50MHz WAS, SMIRK #3335, ARRL Life Member, DM-09

"...the time is fast approaching when freedom, public peace, and social order itself will not be able to exist without education."

Alexis de Tocqueville--Democracy in America (1834)

Date: Sat, 31 Jan 1998 17:04:39 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: Ken Hanks <kennfd@ibm.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2608] Re: MFJ 90x0 rigs schematic diagram on net ?
Message-ID: <Pine.SUN.3.90.980131170307.24479B-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 31 Jan 1998, Ken Hanks wrote:

> It is my understanding that MFJ is very reluctant to distribute their
> schematics.

About the time the 90XX rigs came out I asked MFJ for a
operating manual.

They sent one and it was complete with full schematic.

They may still offer free manuals.

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sun, 1 Feb 1998 01:29:27 +0000
From: teixeira@ccnet.com (T E I X E I R A)
To: qrp-l@Lehigh.EDU
Subject: [2609] Fist Novice Round Up
Message-ID: <v01520d00b0f97fee9187@[206.80.32.114]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thought there might be some interest in this.

Cheers,
Don, W6IQ

><http://n9nvv.qrp.com/~fists/novice.html>

FISTS Sponsored Novice Round UP

>NOVICE Round-UP Sponsored by FISTS CW Club will be held from 1700 UTC,
>Friday 13 Feb 1998 to 2400 UTC,
>Monday 16 Feb 1998.

>Novice/Tech stations get points for working anyone. Above Tech get points
>ONLY for working Novice/Tech stations. NO REPEATER CONTACTS.

>Exchange: Callsign, RS(T), License Class, QTH.

>Score 2 points for CW and 1 point for Phone. Total of 50 Multipliers, one
>for each state worked. Score=(number of CW QSO's times 2, plus the number
>of Phone QSO's), times number of multipliers worked.

>Certificates to the winners and the top scoring Novice and Non-Novice will
>get a one year free membership in FISTS CW Club.

>Send Logs and summary sheets POSTMARKED NO-LATER-THAN March 16, 1998 to:

>Dennis,

>Would you like me to run this on FARTS?

>dt

>NOVICE ROUND-UP

>c/o Dennis Franklin K6DF

>4658 Capitan Dr.

>Fremont, CA 94536-5448.

Date: Sat, 31 Jan 1998 20:55:56 EST
From: borealis@juno.com
To: qrp-1@Lehigh.EDU
Subject: [2610] Re: Night fo the Living Dead QRP op
Message-ID: <19980131.210408.9974.1.borealis@juno.com>

Marshall <mgemm@ntechnologies.com> writes:

>And I find it slightly ironic that that they say I am
>dead, but will still send me a copy of my credit report!

Reminds me of the Beatles' song, "She Said She Said

(I know what it's like to be dead)." Apparently an intoxicated Peter Fonda was trying to tell Lennon that he (Peter) knew what it was like to be dead, despite John's protests that he didn't want to know. Well, the incident was written into a song on "Revolver."

Since you're not prohibited from transmitting after the big QSY, should we not hope too much to see the XYL sellin' your gear on QRP-L? Hi Hi

ObQRP:

The kitbuilding itch has struck here at KG2DH. 30 meters will be the band, but I haven't decided what to build. In highest favor is the OHR 100a, but the S&S ARK-30 seems great too. Then there's the Ten-Tec 30 meter kit. Anyone out there willing to comment on the merits / weaknesses of these radios?

72,
Phil Collier
KG2DH, Upstate New York

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 31 Jan 1998 19:17:11 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Subject: [2611] More Elmer statistics
Message-ID: <Pine.SOL.3.91.980130150559.19659A-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 29 Jan 1998, Andy Fox wrote:

> While Bob, K6RKB was sorting by call area, I was sorting by license
> class. I'm not sure what drove me to do it, but here are the results

> Technician 1%
> Tech Plus 10%
> General 16%
> Advanced 25%

> Extra 48%
>

So last night, I used K5FO's battery of SGI computers, tapped into the NSA, IRS, CIA, FBI and FYBO computers and got the following profile and demographics on the Elmer/Tuna Tin 2/Back to the Future participants:

11% ... are convicted felons
89% ... are felons, but haven't yet been caught
87% ... have built NorCal paddles
33% ... can't even stand tuna from cans
50% ... thinks Clinton ... well, never mind
36% ... are from Arizona
36% ... have shook hands with K7UGA (Barry Goldwater)
22% ... have been FEATURED on "America's Most Wanted"
12% ... are WORKING on being featured on "America's Most Wanted"
73% ... have copied CW in movies, songs and cartoons
99% ... have copied CW from their refrigerators
25% ... of QRPers are tall, handsome, single men with a huge crop of hair
75% ... of QRPers have been seen in public and can't lie about their looks
68% ... haven't figured out what to do with their Altoid cans yet
22% ... have admitted to an alien abduction experience
91% ... have built something called a "St. Louis" something or another
88% ... of last year's FYBO participants will do it again this weekend
22% ... of last year's FYBO participants are still suffering from frost bite
38% ... are still dating their checks "1997." Never mind if local or UTC.
41% ... have been to Area 51
7% ... have returned
14% ... look for solar storms at night

But ... 100% are the best bunch of guys you could know; QRPers who are still enjoying this hobby, building things, learning things, getting on the air, and willing to help others. Wow. What a concept!

72, Paul NA5N

Date: Sun, 01 Feb 1998 02:28:01 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-1@Lehigh.EDU
Subject: [2612] Wattmeters - OHR vs Ten Tec
Message-ID: <3.0.16.19980131171303.211f81bc@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone in a position to comment on how the Ten-Tec
wattmeter compares to a wm-1 or wm2? How low can
you calibrate the Ten-Tec for full scale deflection?

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Sat, 31 Jan 1998 18:20:55 -0800
From: "Frank A. West" <ke6vhm@earthlink.net>
To: <k4wam@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [2613] Re: test new E-mail address
Message-ID: <199802010250.SAA12969@norway.it.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

With this list I will bet your mail box is full

TTFN 73 Frank KE6VHM / AG
Grid Square DM13
Woodcrest, CA
QRP-L #1323 / AK/QRP #269
ICQ UIN# 1778080 ASK ME!!!
CW Forever - Have Paddle will Pound
ke6vhm@earthlink.net

> From: Bill McKay <k4wam@juno.com>
> To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
> Subject: test new E-mail address
> Date: Friday, January 30, 1998 7:38 PM
>
> Would someone please reply? I want to make sure that I have the QRP list
> address correctly entered in my address book.. Thanks 73
>
> CMSgt Bill McKay
> 617 Edgewater Dr.
> Belmont NC 28012
> K4WAM@msn.com
> K4WAM@juno.com
>

> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com>
> Or call Juno at (800) 654-JUNO [654-5866]
>
>

Date: Sat, 31 Jan 1998 22:08:17 -0500
From: olyellr@iglou.com
To: ku7y@sage.dri.edu, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [2614] Re: MFJ 90x0 rigs schematic diagram on net ?
Message-ID: <3.0.5.32.19980131220817.0081ec50@iglou.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:04 PM 1/31/98 -0800, Monte Stark wrote:

>On Sat, 31 Jan 1998, Ken Hanks wrote:
>
>> It is my understanding that MFJ is very reluctant to distribute their
>> schematics.
>
>About the time the 90XX rigs came out I asked MFJ for a
>operating manual.
>
>They sent one and it was complete with full schematic.
>
>They may still offer free manuals.
>
>73, Ron, SOWP 5545M,
>
>.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
>....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....
>

I just looked at their web page and it states that they will
send a free manual upon request.

re: <http://www.mfjenterprises.com/mfj/transceivers/mfj9040.html>

Good luck!
Mike L.
KE4HLU
FISTS #4139

QRP-L #1395

Date: Sun, 01 Feb 1998 03:41:43 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [2615] "Art of Electronics" out there?
Message-ID: <3.0.16.19980201032018.2f37f0f2@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone on the list have a copy of Horowitz's "The Art of Electronics"
they would like to part with?

Thanks...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Sat, 31 Jan 1998 23:09:20 EST
From: nq2rp@juno.com (B/BAMS Club Station)
To: qrp-l@Lehigh.EDU
Subject: [2616] Re: Novice Calls of the 60's
Message-ID: <19980131.230824.7735.0.nq2rp@juno.com>

Yep, 1965 it was. I got interested in Amateur Radio before that. The 3rd-Grade teacher in the elementary school I went to was married to the only ham in Parish, NY that I was aware of. I don't remember Mr Sawyer's first name, but he has a 40 - 50 foot tower and a tri-bander, or similar on it. I delivered papers to them just before I moved from Parish (1962)...

John Leese, not a ham, was my Explorer Post leader. He was interested in getting a ticket, but never had the time. I ordered a Heath catalog to get a kit for the Electronics merit badge (late 1964), and settled on a 6-transistor AM portable. Lots of fun BCB-DX'ing with that little gem!

Dad took a job in the Syracuse, NY area in late 1964, and the rest of the family moved down in June 1965. A neighbor of mine had a 20 Meter quad up on a tower, only about 3 houses from us. I remember asking him why he had a kite frame up there, and got a lecture about Amateur Radio, a copy of the ARRL License Manual and an invite to start in the RAGS (Radio Amateurs of Greater Syracuse) license course that fall.

I took the course, and passed both the Tech and Novice tests in November of 1965, then waited until the end of February 1966 for the ticket(s). I was issued WN2VUO as my Novice call, and WB2VUO as my Technician call. The Novice was only good for 1 year, non-renewable, and the Tech was good for 5 years.

I built an AC-powered version of the Push-Pull triode transmitter, the "Tiny Tim", using a 12AX7 instead of a 3A5, and Bill, W2CVI (the Quad owner) gave me a box of crystal blanks, some grinding compound and 5 EMPTY FT-243 holders. I had upgraded from the Heath AM RX to a Hallicrafters SX-25, and I spotted the crystals by installing the blanks, holding the holder together with Vice-Grips and tuning for the TX (running into a 15-watt light bulb, which just barely glowed...) I ended up with 20 crystals on 40 and 6 on 80, and had to keep swapping them around in the 5 holders I had. Fun!

I worked 30+ states and VE/G/F for DX on 80, 40 and 15 Meters, and FAILED the 13 WPM 3 times, so I went up on 6 and 2 Meters with the Tech. I stayed there until I had the chance to finally upgrade whilst over in Italy with the Navy in the early 70's.

I ended up with a Conditional ticket, and had to take the 13 WPM all over again when I upgraded to Advanced in 1975, so I took the 13 WPM test 5 times, and passed it twice!

I read about the WV2-Novices, and knew a couple of guys/gals that had the calls in the early 60's. Most of RAGS members were old enough that they sat around waiting for the galena to precipitate from the primordial ooze so they could build their first receiver, so we "Young Twerps" were considered to be a liability rather than an asset for the club. Funny, they were ancients, in their 40's and 50's (lessee...1998 minus 1950 is...YE GADS! I've become ONE OF THEM!!!)

We need some young blood in the hobby, and I hope that everyone on the list is trying to recruit some "Young'uns" into the ranks of Ham Radio. The worst thing we ALL could do is to discourage an inquisitive mind away from the hobby because he/she is TOO YOUNG TO GET IT!

I've had a blast, and I am looking forward to many more years here in the ranks.

72/73, Keith, WB2VU0 at the keys at B/BAMS
NQ2RP - QRP-L # 1294,
Byron/Bergen Amateur Microwaves System Club Station
Listen for our 10 Mtr Milliwatting Beacon: 125 mW @ 28.287 MHz
"Our night light runs more power than our Rig!!!"

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 31 Jan 1998 20:21:19 -0800
From: dave_epps@juno.com
To: qrp-l@Lehigh.EDU
Subject: [2617] SST
Message-ID: <19980131.202129.9438.0.dave_epps@juno.com>

Is anyone else building a SST?
A little discrepancy. On rfc-2 (1mh) the parts list reads color code of
blk-brn-red. The rfc furnished reads brn-blk-red.
I am assuming that brn-blk-red really is 1mh and the parts list is
wrong.
Am I right?
This is my first project with my new Edsyn 951sx soldering station that
Tech Amer had on sale and my soldering looks better than ever.
dave ab5pc fresno, ca.

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 31 Jan 1998 22:21:28 -0600
From: Chuck Carpenter <w5usj@webwide.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2618] Re: QRP in the 1950s
Message-ID: <3.0.1.32.19980131222128.00696a38@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I was first licenced in 1955 as KN20FN when I lived in Batavia NY. Got my general the same year having traveled all the way to Buffalo NY to take the test. Passed the test and became K20FN. Wonder if there is anyone on the list that I worked with the old call? I started working at Sylvania Electric in Batavia in 1954 and discovered electronics and amateur radio. There were several amateurs at Sylvania who elmered me through the novice and general tests. Can't recall the names or calls now.

My first novice rigs were borrowed but I started building my own shortly after getting the general. I built a two-band (80/40) receiver and various transmitters from the 1955 handbook. I recall one transmitter used a 6AQ5 in the final. Let's see, 300V on the plate at 100MA -- that's 3 watts input. No idea what the efficiency was but I was QRP and didn't know it.

My antenna switching arrangement would be a nightmare for the SWR purists. It was a small knife switch with RG-58 pigtailed onto the terminals. (DPDT relays came later.) Set the receiver to standby, switch the antenna to send position, turn on the transmitter, call CQ using my surplus J-38 key, set the transmitter to standby, switch the antenna to receive position, turn on the receiver and tune around the frequency to see if anyone was answering. Lots of fun, made lots of contacts, local and dx.

72/73

Chuck, W5USJ

Rains County (pop 6900), TX - EM22cv

ARCI # 5422, QRP-L # 1306, FISTS # 3984

Date: Sat, 31 Jan 1998 23:23:43 -0500
From: "Ken Hanks" <kennfd@ibm.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [2619] Re: MFJ 90x0 rigs schematic diagram on net ?
Message-ID: <01bd2ec9\$2e4c52e0\$52d148a6@kh>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I stand corrected on the schematics from MFJ.

My answer was based on 2 expereinces. One where we could not get a schematic (antenna analyzer) the other, a friend got the schematic (not sure

what the product was) after a few phone calls.

73,
Ken K1XS@ibm.net

Date: Sat, 31 Jan 1998 20:26:00 PST
From: "David Jones" <kk7gw@hotmail.com>
To: nq2rp@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [2620] Re: Young blood (formerly Novice calls)
Message-ID: <19980201042601.12923.qmail@hotmail.com>
Content-Type: text/plain

>We need some young blood in the hobby, and I hope that everyone on the
>list is trying to recruit some "Young'uns" into the ranks of Ham Radio.
>The worst thing we ALL could do is to discourage an inquisitive mind
away
>from the hobby because he/she is TOO YOUNG TO GET IT!

Right on. I'm one of the "Young'uns" myself, at 14. I'm always trying
to get others around my age to get their ticket. There's even talk of
me becoming a radio merit badge counselor for my 12 year old brother's
boy scout troop (I don't even know if it's allowed). I was licensed as
KC7ITM almost exactly 3 years ago, a bit before I turned 12. I passed
the 5 wpm easily and got on the 40m novice band. My love of CW led me
to quickly pass the 13, I just couldn't pass the General written (failed
it 4 times and had to take the 13 again because it had been a year).
>From what I've heard from those my age, it's the CW that keeps them from
upgrading. I may be able to ragchew at 30 wpm now, but we need to all
help out those who can maybe only get half the characters and go at 2
wpm.

As to the written material, no suggestions from me. I don't know how I
managed to pass the Extra written. To me, that was the hardest exam
I've ever taken, in or out of school.

Most of you on this list have stories from the 50's and 60's. Use these
to help convince youth that radio can be FUN, as we all know it is.

73

David Jones, KK7GW QRP-L #1350

kk7gw@hotmail.com

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sat, 31 Jan 1998 20:44:49 -0800 (PST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [2621] Re: [2504] (Novice) calls from the past
Message-ID: <199802010444.UAA25946@netcom6.netcom.com>

I was WN4EXQ for a year, in '65-'66. Military service interfered with upgrading, and I didn't get back in until '88.

73, doug

Date: Sat, 31 Jan 1998 21:19:35 -0800 (PST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: lewise@inetport.com
Cc: gqrp-1@blacksheep.org, qrp-1@Lehigh.EDU
Subject: [2622] Re: [2554] Sprat Index
Message-ID: <199802010519.VAA27884@netcom6.netcom.com>

Date: Sat, 31 Jan 98 15:55:48
From: "KA5T Larry Wise" <lewise@inetport.com>

Can anyone tell me if there is an index for Sprat on the net anywhere??

With no typos, it is:

http://ourworld.compuserve.com/homepages/g4wif/q_spind.htm

73, doug

Date: Sat, 31 Jan 1998 22:37:57 -0800 (PST)
From: Sam <kc5tja@animeonline.ml.org>
To: David Jones <kk7gw@hotmail.com>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2623] Re: Young blood (formerly Novice calls)
Message-ID: <Pine.LNX.3.96.980131223510.308J-1000000@animeonline.ml.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> upgrading. I may be able to ragchew at 30 wpm now, but we need to all
> help out those who can maybe only get half the characters and go at 2
> wpm.

That'd be me...at 22... :D

(Actually, I can handle 5wpm -- I just forgotten how slow it really was...
:D Turns out I never lost my speed -- however, I have to copy each letter
to paper, because I'm incapable of "reading ahead" like other people can.
I've never been able to do it, and probably never will.)

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      QRP-L #1447   |      Chief Architect and Project Founder
                    |      (web page under construction)
                    |
=====
```

Date: Sat, 31 Jan 1998 23:06:15 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.EDU, cqclist@lists.csn.net
Subject: [2624] Lifeboat Key?
Message-ID: <199802010606.XAA27568@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I recently got a very cute but mysterious little key... pictures are
on my keys page at: <http://www.mtechnologies.com/n1fn>

A friend sent it to me recently and little is known about its
provenance. Similar, but not identical, keys appear in some of the
standard references. It measures 2.5" overall length by 1-5/8" wide
by 1-9/16" high. The "mushroom" knob diameter is 1-1/16". There is
completely illegible yellow lettering on the back, along with a small
black impression that is partly readable, possibly "VA 1630." The
center of the lever is a black bakelite or plastic material and the

contacts appear to be brass.

An interesting feature of this key is that electrical connection is by means of the two "mounting holes" to the left and right of the knob. On the base of the key they are flared, as if to facilitate mounting on two pins built into a transmitter. The other two mounting holes just go through the bearing blocks at the rear of the key. The bearing blocks are strapped to the key lever, and also common to the left flared mounting hole at the front. There are TWO sets of contacts. One set grounds the presumed "hot" connection to the right of the knob, the other pair of contacts grounds the other connection. As found, the hot side is grounded slightly AFTER the other side when the key is depressed.

Anybody seen one before?

73
Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com>
(303)752-3382
--

Date: Sun, 1 Feb 1998 01:45:56 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Cc: Dave Larsen <SLOPEQRP@aol.com>
Subject: [2625] ten tec 1330 mtr qrp rig (fwd)
Message-ID: <Pine.BSI.3.96.980201014114.9201F-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Dave,

Thanks for the note. I will forward it to the QRP LIST. Maybe one of the experts on the list can help you a bit with the problem.

GL es CUL

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

----- Forwarded message -----

Date: Sat, 31 Jan 1998 18:36:22 EST
From: SLOPEQRPp@aol.com
To: k3tks@u1.abs.net
Subject: ten tec 1330 mtr qrp rig

om, tn timer for reading this. i am new to pc's and e-mail. my call is n9zx1 and i believe we have worked before. poss in some qrp contests.

i wonder if you can direct me to any published problems with the 1330 rig. mine has a slight chirp on first keying up. the voltages are all correct. it is qjuite sensitive to load up with my mfj 949 tuner. tentec had me take a winding off the final filter coils and that helped a bit. and also grounded the final x-sistor on the top of the board for the emitter. by moving the final filter coils i can make the output jump up to 5 wts on my wm-2 meter. i only run it at two watts anyway. some hams have said it has an unpure note at times. not quite an rst-9. they say it is quite a distinguishable signal in the qrm and easy to copy. but it shouldn't be this way.

could you please supply any info on hearing of any other hams with this problem. i have only heard of one guy i talked to in NC that has trouble loading his with a tuner.
this is my first e-mail..
thanks dave larsen n9zx1/slope#1/qrp

Date: Sat, 31 Jan 1998 18:36:13 -0800
From: Robert Bayha <rbayha@ix.netcom.com>
To: pharden@aoc.nrao.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2626] Re: More Elmer statistics
Message-ID: <34D3DF9D.4F1DEEF@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

They have a GREAT sense of humor, too!!!!

Paul Harden wrote:

>

> On Thu, 29 Jan 1998, Andy Fox wrote:

> > While Bob, K6RKB was sorting by call area, I was sorting by license

> > class. I'm not sure what drove me to do it, but here are the

>

> So last night, I used K5F0's battery of SGI computers, tapped into the

> NSA, IRS, CIA, FBI and FYBO computers and got the following profile and

> demographics on the Elmer/Tuna Tin 2/Back to the Future participants:

--

Bob Bayha, K6RKB

QRP-ARCI #9505, CQC #488

G-QRP #9884, NorCal #2394

QRP-L #2394

Date: Sun, 1 Feb 1998 02:24:57 -0500 (EST)

From: George Gingell <k3tks@u1.abs.net>

To: QRP List <qrp-l@Lehigh.EDU>

Subject: [2627] corrected email address

Message-ID: <Pine.BSI.3.96.980201022220.9201K-100000@u1.abs.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Corrected email address for Dave Larsen, N9ZXL.

Dave Larsen <SLOPEQRPP@aol.com>

Needs help on Ten-Tec Kit as per previous message.

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

QRP A.R.C.I. Net Manager and Board of Director Member.

George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117

Maryland Milliwatt Club QRP Reference Library, (301)572-6789

Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG

Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Hmmm . . .

In fact, the circuit was EXTREMELY unstable and exhibited lots of noise and drift. Even after removing my hand from the tuning cap, the circuit exhibited huge amounts of seemingly random drift (microphonics it seems). Furthermore, it produced no discernable audio.

My best guestimate as to why things aren't going the way it should is due to impedance mismatches. I'll try to clean things up tomorrow, but I don't expect it to work even then. If it doesn't, I'll just resort to the single transistor mixer that I was using before.

As usual, more news to come as it happens.

KC5TJA/6	- TEAM DOLPHIN -
QRP-L #1447	Chief Architect and Project Founder (web page under construction)

Date: Sun, 01 Feb 1998 00:26:40 -0800
From: Bill Todd <bill@willapabay.org>
To: qrp-1@Lehigh.EDU
Subject: [2629] NOT QRP - JUNO speed up
Message-ID: <1.5.4.32.19980201082640.0072df04@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello folks (and fellow JUNO users) -

I was talking with a friend yesterday evening about the new JUNO software program that was recently uploaded to all users; and how this new software has slowed down the operation of the program.

He suggested a program "fix" that might help (your comments are welcome).

My friend claims he has modified the JUNO program to eliminate the ads that appear at the top of the screen, thus returning the program to it's former speed. If your computer has a super-fast CPU, this new software from JUNO is probably not a problem for you, but for my 386 DX40, it is worth considering.

NOTE: I have not tried this fix yet myself, because the computer I use that contains my JUNO account is up at college, and I won't be able to get to it until Monday evening. Perhaps there is a JUNO user on the list that will try this "fix" for themselves, and then get back to me to see if this idea helps.

- - - - -
Here is what you do:

In DOS (or XTGOLD, etc.), go to the JUNO directory.

Look for the subdirectory (or file, I don't have the program here to look it up for myself) labeled "ADS", and go to your user info, which would be "00000001" (if you have only one user name).

Erase ALL characters after the line starting with "00000001" EXCEPT the very last word, which is "LOG". If there are any words or characters after the word "LOG", just leave them.

Save the file, and then launch JUNO - and see if those ads at the top of the screen disappear.

Before you change this particular file, I would advise that you to save your original JUNO "ADS" file under a different name, just in case this does not work.

If it doesn't, you can always put the original file back, just in case. I am not sure if you have to do this file correction every time JUNO changes their ad list, but if and when they do, you could always change it again.

Again, let me know if this fix works for you. It's worth a shot.

CUL, Bill-N7MFB

PS If there are any "nit pickers" out there who feel it is against the law of God and/or man to change a FREE software program to suit your own needs, then don't do it.

Date: Sun, 1 Feb 1998 05:09:45 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: Bill Todd <bill@willapabay.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2630] Re: NOT QRP - JUNO speed up
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 1 Feb 1998, Bill Todd wrote:

>
> PS If there are any "nit pickers" out there who feel it is against the law
> of God and/or man to change a FREE software program to suit your own needs,
> then don't do it.

>
Do I Dare? :-)

73,

Bob Patten, N4BP (0 0) Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

Date: Sun, 1 Feb 1998 06:22:43 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: KA5T Larry Wise <lewise@inetport.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2631] Re: Sprat Index
Message-ID: <Pine.SOL.3.94.980201062035.3023D-100000@larry>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 31 Jan 1998, KA5T Larry Wise wrote:

> Can anyone tell me if there is an index for Sprat on the net anywhere??
>
> Larry KA5T
Larry,

There is an index to SPRAT issue 1 through 85 in the QRP-L archives. Send
a message to LISTSERV@LEHIGH.EDU
with the text
GET QRP-L/BOOKS SPRAT.INDEX

-73-

LB, W4RNL

Date: Sun, 1 Feb 1998 16:47:28 +0500
From: "Gobrick, Robert (rgob)" <rgob@tengizchevroil.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [2632] 60's Twilight Zone
Message-ID: <c=GB%a=Infonet%p=Tengizchevroil%l=KZTCOV-MSX2-980201114728Z-6@kz-tz-hv-msx01.tengizchevroil.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

QRP-L 60's Twilight Zone Check-in,

Bob Gobrick's the name - call WN2DWK (62ish) and then a General as

WB2DWK (63ish) - none of that WV stuff for me. QTH - rural (back then) Suffolk County, Long Island NY. First train ride ever to New York City by myself to take the FCC test - geeze I was one big shot teenager..

Rig: Receiver: Lafayette HE-10 with two half moon bandspread dials. Highly modified (even used drill) with OA2 gas regulator tube (zener what??) and tap off of the 455 Kilocycle IF for a ARC Q-Fiver (pre DSP) down conversion filter.

Transmitter: Heathkit DX-60 - my first kit - lit the 75 watt light bulb right off the bat. Many crazy Novice crystals - all "modified" as VXO (permanent) by using figure 8 circular motion grinding using a carborundum (sic) powder/paste - was able to cover the whole 40 meter Novice band with NO RIT (didn't need it - hi). Built matching Heath VFO from money I made from the paper route. Never used VFO until I became General (sort of - well that General License sure took a long time to come in the mail...)

Antenna: Direct from a well tabbed William Orr Wire Antenna Handbook - 40 meter dipole strung between two trees fed with 300 ohm TV Twinlead from Tandy (actually White's before it became Radio Shack). Used a special coax shield sheath at rig end for a balanced to unbalanced line match (poor kid's balun).

Obligatory QRP - only ran 75 watts although that 6146 could pump out some more. Achievements - Full Duplex Cross Band CW (40 and 15 meters) with my "good" teenage buddies in the next town. Not legal and was reminded of such by my Tech School teacher/elmer Mr. Van Fields. Got to remember I WAS part of the 60's generation - hi.

Gawd - glad I got this off my chest after all these years - I feel "reborn".

Cheers 73/72 Bob UN7/N0EB

Date: Sun, 1 Feb 1998 08:32:15 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: towertalk@contesting.com, antenna@qth.net, QRP-L List <qrp-l@Lehigh.EDU>, gqrp-l@blacksheep.org
Subject: [2633] K1TTT Web site
Message-ID: <Pine.SOL.3.94.980201081320.7750A-1000000@larry>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have added a link to David Robbins' website, specifically to his technical notes, from my own site. Not having a link has been an unforgivable oversight, since David has gathered together a combination of his own analyses and hard-to-find items from internet sources, and he constantly is adding to the site. The available notes include important items on antennas and antenna system elements, plus a large assortment of items of interest to DXers, contesters, those interested in software for ham radio. My link takes you to the technical notes, but be sure to back up to David's home page for access to a long list of useful links to other sites.

The URL for the technical notes is
<http://www.berkshire.net/~robbins/technotes/techref.html>

The series of 3 stub articles is required reading for folks thinking about stub filters. W3LPL's long Yagi designs are available. There are also coiled-coax balun measurements. There are also notes on receiver filters. That should get you started into a valuable resource without even having scratched the surface.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)	(423)	974-7215
1434 High Mesa Drive	/	\	\	\	----	/\---	(Hm)	(423)	938-6335
Knoxville, Tennessee	/\	\	\	\	/	/		(FAX)	(423) 974-3509
37938-4443 USA	/	\	\	\					cebik@utk.edu
URL: http://funnelweb.utcc.utk.edu/~cebik/radio.html									

Date: Sun, 1 Feb 1998 08:38:24 EST
From: DMRAWSON@aol.com
To: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)
Subject: [2634] Re: Novice calls from the 60's
Message-ID: <5be4218.34d47ad2@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Jim(KW3U),

You bring back memories. I was WN8UPE in 65, same basic progression to driver's license, girls, college, wif, job, kids, etc., etc. The old crystal days were a trial, but it was fun. I still remember the first time I fired up my new Hallicrafters SX-117, first quality receiver. Wow! That and a DX60 to a long wire sure made for a good time. Until the girls, that is. :)

Thank for the opportunity to reminisce. 73,

David KB8RRG

Date: Sun, 1 Feb 1998 08:51:41 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@Lehigh.EDU>
Subject: [2635] twilight zone?
Message-ID: <Pine.SOL.3.94.980201083304.7750B-100000@larry>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If the 60's are the twilight zone of our novice years, then I guess the 50's are beyond the sunset. We did not have 6146s, but only 807s and 1625s. S-38 was only in its B version. 816s and 866s lit the shack in mercury blue. Made our two-stage (osc/amp) rigs from 12AT7s, since the 6U8 was not commonly available yet. Even some remnant designs for 6AG7 one stage rigs built on wood rails, following 1930s traditions. Drooled over the Johnson rigs (and their paint jobs), while not even daring to look at the Collins ads. J-38 keys were \$2.00 at Walter Ashe (such nice people!). The 9T0 keyer was coming, but we looked in wonder at bugs--and Lafayette had a Japanese copy or version of the really good ones. First time builders bought lots of parts from Burstein-Applebee, graduating later to Allied (but we all had Allied catalogs, from which we memorized parts specifications). First antenna was an end-fed Zepp, which some folks say will not work, but not knowing that, I went on making contacts anyway, tuning it up with a simple ATU and the glow of the 816s in the home brew 807 transmitter. First QRP rig: a 40-meter 12AT7 with a genuine pill-bottle-wound tank coil, powered by a 125-volt supply with a selenium rectifier (which I still have, but with a silicon rectifier nowadays--the Allied transformer is still good, but I will not vouch for the electrolytics.) I remember swapping 5U4s for other parts when I first went "solid state" in power supplies. Hammerlund APC variable capacitors at 2 for a buck at hamfests.

If I had a time machine, I would go back and buy the following: all the Johnson and Hammerlund variable capacitors I could find, lots of big and little Miniductor and Airdux coil stock, and a complete set of Greenlee chassis punches.

Now look at what you started--nostalgia from beyond the grave.

-73-

LB, W4RNL

Date: Sun, 1 Feb 1998 09:47:02 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: towertalk@contesting.com, QRP-L List <qrp-l@Lehigh.EDU>, gqrp-l@blacksheep.org
Subject: [2636] Correction on K1TTT site URL
Message-ID: <Pine.SOL.3.94.980201093813.23943A-100000@moe>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

->

>The URL for the technical notes is
> <http://www.berkshire.net/~robbins/technotes/techref.html>
> ^

Thanks to Bob, N8YGG, and Alan, 8P9BM, for pointing out my typo in the URL for the K1TTT resource site.

Make that

<http://www.berkshire.net/~robbins/technote/techref.html>

"Technote" is singular in the directory, but technotes are abundantly plural in the files.

I also rechecked my link, and it is correct there, and works. Stopping the URL at ~robbins/ may not work, since all of David's pages have ???..html references.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off) (423) 974-7215
1434 High Mesa Drive	/	\	\	\	----	/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\	\	\	\	/	/ /	(FAX) (423) 974-3509

37938-4443 USA / \ \ \ \ || cebik@utk.edu
URL: <http://funnelweb.utcc.utk.edu/~cebik/radio.html>

Date: Sun, 01 Feb 1998 08:57:40 -0600
From: jmbrown@edge.net (JERRY BROWN)
To: qrp-1@Lehigh.EDU
Cc: wager@juno.com
Subject: [2637] QRP Inmarsat-M station
Message-ID: <34D48D64.6BA2@edge.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Check out

<http://www.landseasystems.com/3060a.htm>

to view a portable terminal capable of INMARSAT geostationary satellite connections through their system's ground stations for international telephone calls from anywhere, excluding the poles and high latitudes (the guys on Heard Is. DXpedition had problems).

This rig is QRP plus with about 8 watts output, but at 1.5 Ghz it takes good coax to get 4 watts to the antenna if there is much of a run!

Price...about the same, actually less than a FT-1000D.

I spent the day Saturday mastering(?) its programming instruction set, which is done from the handset's keypad.

It's the model TT-3060a, by Thrane & Thrane of Denmark.

I have no financial interest in this company or its US distributor; I'm just a pleased user who will be depending on this baby and Inmarsat's IOR bird in a few weeks.

72,

Jerry N4EO

Date: Sun, 1 Feb 1998 09:06:24 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Paul Harden <pharden@aoc.nrao.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2638] Re: More Elmer statistics
Message-ID: <Pine.SOL.3.91.980201085921.5594A-1000000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I showed Paul's e-mail to Bonnie, my lovely wife of 37 years...she read it and said: "So what's your point honey?" ...then she flashed a big smile! ...QRP! ...it says it all!...72 - Bruce(VE5RC)

> So last night, I used K5F0's battery of SGI computers, tapped into the
> NSA, IRS, CIA, FBI and FYBO computers and got the following profile and
> demographics on the Elmer/Tuna Tin 2/Back to the Future participants:
>
> But ... 100% are the best bunch of guys you could know; QRPers who are
> still enjoying this hobby, building things, learning things, getting on
> the air,....etc.....

Date: Sun, 1 Feb 1998 15:21:12 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: rbayha@ix.netcom.com
Cc: qrp-1@Lehigh.EDU
Subject: [2639] Re: More Elmer statistics
Message-ID: <199802011521.PAA09896@chuck.dallas.sgi.com>

Bob et.al.,

Paul Harden may have a great sense of humor but I want him to come back and replace the batteries in the computers. :-)

Yet another statistic

100% have an unbuilt kit in the closet, if they have a closet.

: -)

Chuck Adams K5F0 CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Sun, 01 Feb 1998 10:25:28 -0500
From: Jack Mc Kie <mjmckie@frontiernet.net>
To: qrp-1@Lehigh.EDU
Subject: [2640] FS: TenTec Agrosy, Icom IC820H VHF/UHF
Message-ID: <3.0.1.32.19980201102528.00689fb0@mail.frontiernet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For Sale:

1)Tentec Argosy w/226 crystal calibrator,219 250mhz CW
filter,223 Noise
blanker, 224 Audio CW filter, mic., 937 power supply,circuit breaker, MFJ
949E tuner, J38 key, Manual \$450.00 + shipping FIRM

2)Icom IC820H transceiver w/sm-6 mic, vox, MFJ 1278B
data controller,
astron 20A power supply All in good condition! \$950.00 + shipping

Might take QUALITY SW radio and/or 40m qrp rig in trade. Please reply
via e-mail or at (716)581-1399 evenings before 10PM.

Date: Sun, 1 Feb 1998 10:42:02 EST
From: GERALDCUND@aol.com
To: qrp-1@Lehigh.EDU
Subject: [2641] x
Message-ID: <14f87bd.34d497cc@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Just a reminder to anyone that must renew their license. There is a new form
610 that must be used effective January 1, 1998. The new form is dated
September 1997 in the lower right hand corner. It has questions that must be
answered about RF safety.

Gerald,KE4LIA
Norcal # 1827
QrpARCI # 9283

FISTS # 2143
Qrp-L # 1426

Date: Sun, 01 Feb 1998 11:02:44 EST
From: penzo@juno.com (Michael A Penzo)
To: qrp-l@Lehigh.EDU
Subject: [2642] Pixie2 pwr output?
Message-ID: <19980201.105944.4839.1.penzo@juno.com>

Got my Pixie2 (40m) up and running last night but I'm only seeing about 68mW output across a 47 ohm load (resistor). That's 5.2 Vp-p on my scope. Assuming $Vp-p/400 = \text{power}$ across 50 ohms.

At the collector of Q2 I'm seeing 9 Vp-p (202mW) going into the PI network. Is this much loss normal? I thought I had read that about 200mW out was what I could expect. I'm using the 390pF/1.5uH/560pF values recommended for 40m.

If that's the typical amount of loss then I'll move on and try a 2219 instead of the 2222A that I'm using now.

Thanks in advance for any suggestions and 73,
Mike, KT4FJ

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 1 Feb 1998 08:06:39 -0500
From: k4wam@juno.com (Bill McKay)
To: bill@willapabay.org
Cc: qrp-l@Lehigh.EDU
Subject: [2643] Re: NOT QRP - JUNO speed up
Message-ID: <19980201.113121.12390.0.K4WAM@juno.com>

I would like to know how to delete the JUNO ad at the bottom of my E-mail messages.

CMS Bill McKay
617 Edgewater Dr.

Belmont NC 28012
K4WAM@msn.com
K4WAM@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 01 Feb 1998 08:27:02 -0800
From: David Shalita <af389@lafn.org>
To: qrp-l@Lehigh.EDU
Cc: Steven Weber <kd1jv@moose.ncia.net>, af389@lafn.org
Subject: [2644] Sending Circad files via Email
Message-ID: <34D4A256.B82C7CD5@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

I am having trouble sending schematic and pcbboard ascii files (Circad) as attachments to email notes to my QRP friend Steve Weber, KD1JV. Have not tested this with any other person yet.

When I send Steve a schematic (20K) and a pcbboard (15K) as separate files, attached to a tiny email note (500 bytes), he receives a huge mailnote (15K to 35K) where one or both attached files ended not attached but in his mailnote as text. Bad!

When I send carbon copies of these attached files to myself, the files arrive here OK as separate files.

Steve uses Eudora Lite 3.03 emailer software under WIN3.1 and I use Netscape 4.04 under WIN95. I do not know if problem is at my end or his or a bit of both.

I need to test my capability to send Circad ascii files via attachment. One way is by sending the same pair of files to other Circad Users and learn by feedback email, if everyone is having troubles like this or not on the receiving end?

Please drop me an email note if you will allow me to send you two Circad files for this test and you can feedback results. Only looking for simple feedback info such as:
(Worked fine, both files arrived OK as attachments...Windows 3.11, Netscape 3.01 emailer)
(Failed, one attachment, big mailnote, Win95, your-emailer software, not fixable)

Thanks for any help and suggestions.

73, W6MIK

--

David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Sun, 1 Feb 1998 11:41:43
From: km@PACT.ORG.PE ()
To: qrp-1@Lehigh.EDU
Subject: [2645] 30 meter QRP-dition 13 to 26 FEB KA2OIG\HR6
Message-ID: <m0xz2Y6-0015r5C@uurcp1.rcp.net.pe>

GREETINGS

I'LL BE QRP-DITION ON MORGAN'S CAY, BAY ISLANDS OF HONDURAS

13 FEB THROUGH 26 FEB 1998

LOWER PART OF 30 METERS - ONLY 4 WATTS INTO A DIPOLE
SOLAR POWER AND MOUSE KEYS

QSL VIA MY USA CALL KA2OIG

LISTEN FOR HR6\KA2OIG

72,
KRIS
OA4DB0 (Where resonance is a way of life.)

Date: Sun, 01 Feb 1998 09:54:58 +0000

From: Roger Hightower <n7kt@earthlink.net>
To: cebik@utkux.utcc.utk.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2646] Re: Correction on K1TTT site URL
Message-ID: <34D44672.5550D5C1@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for the pointer, LB. K1TTT's homepage should be in everyone's bookmark file. It's a good'un.

--

72/73, de Roger, N7KT

Date: Sun, 1 Feb 1998 11:59:39 -0500
From: wa8jpr@juno.com
To: qrp-1@Lehigh.EDU
Subject: [2647] Novice calls-1960's
Message-ID: <19980201.115940.4718.1.WA8JPR@juno.com>

In 1962 I was WN8JPR later WA8JPR. The first rig was a T-60 with a Hallicrafters SX-111 to receive. Had to drive from Vermilion, OH near Sandusky, to Detroit to take the exam to upgrade. We also became members of civil defense and as such were issued surplus Motorola transceivers, (about the size of the trunk of my car) We cranked them down into the 2 or 6 meter band-I don't remember which, and homebrewed the control heads so if we were attacked we could supply local mobile communications. Such fun. Also worked lots of DX on 40 with 20 - 25 watts.
Bill, WA8JPR, FISTS 3215, QCWA 28875,
AR-QRP 102, MI-QRP, ARRL

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 01 Feb 1998 10:05:07 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: qrp-1@Lehigh.EDU
Subject: [2648] Tuna Tin 2 PCB
Message-ID: <34D448D3.2C1005C1@earthlink.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Can anyone point me to a source for the TT 2 PC board template? I'd like to etch my own.

Thanks es 72...Roger

--

72/73, de Roger, N7KT

Date: Sun, 1 Feb 1998 09:06:08 -0800 (PST)
From: herr@ridgecrest.ca.us (Michael Herr)
To: qrp-l@Lehigh.EDU
Subject: [2649] Novice Calls
Message-ID: <v01530501b0f948a18b44@[208.138.138.101]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi there QRPers,

Enjoying all the trips down memory lane and I just gotta put my two cents in, so here we go...

I didn't quite make the 60's as a novice, getting the ticket in 1970, as WN6ARA. The first receiver was a Boy Scout regen special using a 3A4. First transmitter was a 6L6. Didn't work much with that grouping. Graduated to a full novice gallon with a homebrewed 6146 and 12BY7 combo pumping about 60 watts (input). First crystal was a reground aircraft rig rock to 3.5 something and doubled to 40 meters. Yep, I remembered worrying always about the FCC coming into town and stringing me up if I so dared run 76 watts or a VFO, heck I thought a VXO was illegale! Receiver was a Hallicrafters SX-100. Never understood that knob "selectivity". I don't think my father who was also a ham did either!. Still have both of those rigs too.

Working on the general was a real problem. I got up to 10 wpm and stuck. I had the help of the local television repair man who had been a martime telegraph operator. I studied every friday night for about 3 months and he pushed me up past 13 wpm, passed the test with no problem, graduating to WA6ARA. By then I was looking for a different rig. Ten-Tec was out with the PM-2A and PM-3. I had earned the money for one of those and the parts for a DSB outboard 10 watt amplifier (for a little voice ops). By now I loved CW and really didn't care for SSB anyway. My father, a QRO operator, talked me into abandonding the Ten-Tec idea and go with a Heath HW-101. Had a good time with it, even met a couple other teenagers on 40 SSB and played Moneyoply over the air. I kept fooling around with QRP once in a while but college, girls and work just kept getting in the way.

Finally, in 1978, I bought a Ten-Tec Argonaut and have never been the same since. From that the real joy of QRP operation sprung out, homebrewing followed and all I know is I'm having a ball in Ham Radio.

vy 72 and GN
Mike WA6ARA

Date: Sun, 01 Feb 1998 11:18:22 -0600
From: Chuck Carpenter <w5usj@webwide.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2650] Re: OOPS -- QRP in the 1950s
Message-ID: <3.0.1.32.19980201111822.006975b0@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OOPS,

I think I don't recall too well 8^(...

> I recall one transmitter used a 6AQ5 in the final. Let's see, 300V on the plate
>at 100MA -- that's 3 watts input.

As a couple of kind folks pointed out, that would be 30W. A 6AQ5 only runs about 4.5 watts max (I looked it up this time). Anyway, that blows the whole story...

Apologies to all.

72/73
Chuck, W5USJ
Rains County (pop 6900), TX - EM22cv
ARCI # 5422, QRP-L # 1306, FISTS # 3984

Date: Sun, 1 Feb 1998 11:19:19 -0600
From: "William R. Moore" <wr.moore@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [2651] Re: Novice calls from the 50's...oops, 60's
Message-ID: <01bd2f35\$87bb1980\$7911430c@wrmoorerpc>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have to jump in here too. I became WN5ALL in Sept., 1960, after my science teacher challenged me to do something about wanting to be a ham. My first awareness of ham radio, I think, was when I saw an old Andy Hardy movie (remember those, with Mickey Rooney?)
My dad, an ex-Navy radio operator, had taught me the code (in the form of dots and dashes) when I was a Cub Scout. My elmer, K5GRL, taught me to really copy code. His rig was completely self-designed and home brew. It was rack-mount size and each element, receiver, transmitter, and power supply, was probably too heavy for me to pick up - definitely not QRP stuff!
I remember the "dit...di.di.dit...dit dit...dit" stuff that someone mentioned. Always felt a little guilty about doing it - no call sign and all...

My first rig was a borrowed Johnson Viking Adventurer - a rock-bound CW xmtr, and a Knight Kit R-100 receiver - my first kit. That receiver was so mechanically unstable that I had to put my straight key (a J-38) on a separate table to keep from causing the R-100 from jumping around in frequency as I keyed the xmtr. I also used separate receive and transmit antennas, so QSK has always seemed natural to me.

Met a bunch of teen aged hams on the novice band back then. I particularly remember WN8DMU, a YL. Worked her several times in '60 or '61. Then ran into her again as W8DMU a couple of years ago on 30m CW. We both remembered the old days. Boy was that great!!

What a hobby, to last all these years ;-) Thanks to you young-uns for tolerating all this nostalgia!! You have a lot to look forward to! And, don't worry if you loose interest for a few years (I was inactive for various reasons for around 15 years). Keep that license renewed, and your interest will return. I can thank QRP-L for my latest spark of interest!!!

72,
Randy, KS4L

Date: Sun, 01 Feb 1998 09:37:59 -0800
From: Bill Todd <bill@willapabay.org>
To: qrp-1@Lehigh.EDU
Subject: [2652] JUNO fix comments
Message-ID: <1.5.4.32.19980201173759.0071600c@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang -

No flames so far from my JUNO fix post, but it is still early (hi) -
It looks like some people already know about this JUNO "fix". Here are some
of the comments:

"har har been doing this for a long time....."

leave the first two 0000000 numbers and the last two things in the file
and you will be free of adds for about a week or two and JUNO will fill
it up again.

The first two are the Black juno bmp on sending messages and on load up.
I can look at them with norton commander."

- - - -

"Been there, done that. Yes, it will work, but only till you connect to Juno
again. Then their system will note that you are otta ads and give you a
bunch more! Your friend is right and mebbe you'll get by for a couple of
Juno connects, but I've found its too much trouble to keep editing the ads
account. What we need is some programmer to figure out how to throw the ads
downstreaming and mixed with messages into the delete bin, har har. Good
luck"

- - - - -

CUL, Bill-N7MFB

Date: Sun, 01 Feb 1998 09:40:05 -0800
From: Bill Todd <bill@willapabay.org>
To: qrp-1@Lehigh.EDU

Subject: [2653] Re: NOT QRP - JUNO speed up
Message-ID: <1.5.4.32.19980201174005.0071db1c@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Sun, 01 Feb 1998 09:39:33 -0800
>To: k4wam@juno.com (Bill McKay)
>From: Bill Todd <bill@willapabay.org>
>Subject: Re: NOT QRP - JUNO speed up
>
>At 08:06 AM 2/1/98 -0500, you wrote:
>>I would like to know how to delete the JUNO ad at the bottom of my E-mail
>>messages.
>
>Hi Bill - I do not know how to do this.
>
>Maybe someone else on the list has an idea.
>
>Thanks - Bill- N7MFB
>

Date: Sun, 1 Feb 1998 09:44:52 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2654] Re: twilight zone?
Message-ID: <Pine.SUN.3.90.980201092900.25172C-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

LB points out some good things from the past.....

I took my novice exam in late 1952. Had to go all the way to the Federal building in downtown LA to do that. Then the wait started.

I have been reading all the posts about you rich guys that had all these fancy S38's and all the other expensive toys!

What I started with was the old short wave radio the folks had. Firestone console with a big slide rule dial. I used a little AC/DC AM/Record player as the BFO. (I put the little AM radio on top of the short wave radio and left the volume down. Then tuned it until the osc came onto the freq of the station I was listing to and vola, a beat note!

The only draw back was having to keep a hand on each RX tuning know because of instability! But that's how I learned CW and that was the first station RX!!

After passing my test, I scrounged an old AC/DC radio that had been thrown into the trash. Got the 6V6 and other parts from it. Traded the 6V6 for a 6AG7. Made a xtal osc and was ready to go!

I'd check the mail every day when I got home from school. Nothing! I would also listen to Art, WN6DKB chatting away. Got to know him!

After the TX was done and tested, I just couldn't stand it any longer.....I called Art. (Our xtals were close to the same freq). I picked a callsign out of the clear blue sky, WN6JSO.

He came back and we started chatting every day. Sometimes clear up till bed time! Hour after hour. (He lived in the town next to where I went to high school!).

Then one day there was a little envelope in the mail. MY LICENSE had arrived!! Wheeeeeeeee..... But then I started thinking about what to tell Art! I could not tell him what I had done! No Way!

I opened the envelope and looked at my call.... WN6JX0! So I made the sked and used my real call. Soon Art asked me about the call.....he said he thought the middle letter was "S" and I said "no, it's 'X' and you have just been sending it wrong all this time"!!

We became very good friends and one time after I was back home from the Army, married and with 2 kids, I finily told him! He is an SK now but a nicer person can't be found.

My first store bought radio was an ARC5 RX and then had to be rewired to run on 12vac fill.

Oh well, I could go on for hours and really bore you all!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sun, 1 Feb 1998 09:51:05 -0800
From: dave_epps@juno.com
To: qrp-l@Lehigh.EDU
Subject: [2655] Norcal meeting
Message-ID: <19980201.095121.6702.3.dave_epps@juno.com>

Sure wish that I could be at the Norcal meeting today, but just wasn't possible.

Last meeting was my first one and really enjoyed it.

Sure would like to see a "Central Cal. Norcal Chapter".

Am looking forward to the posts on the meeting.

dave ab5pc fresno, ca.

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 01 Feb 1998 11:51:40 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: GERALDCUND@aol.com, qrp-l@Lehigh.EDU
Subject: [2656] Re: tuna tin 2
Message-ID: <34D461CC.B3F6419E@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks, Gerald for the info. Found my QRPp (June 96) and there's the template.

--

72/73, de Roger, N7KT

Date: Sun, 1 Feb 1998 12:21:44 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-1@Lehigh.EDU, ku7y@sage.dri.edu
Subject: [2657] NA SPRINT SSB
Message-ID: <199802011921.MAA01251@smtp03.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This was my first attempt to run the Sprint and using QRP I was afraid I'd not have much success. I was late starting...first QSO was at 0026 on 20M and made 13 Qs that hour as I struggled to learn the procedures and the operation of TR. 20M started to go long and I switched to 40M...The band was very noisy and sigs not strong...considered going back to the bench and finish work on my new ZM-2. But never one to give up, hung in and worked another 10Qs. Then got into the program as I became more familiar with TR and the Sprint procedures...found S&P most productive...CQs produced few Qs. Although some called me as I finished a QSO. The 3rd hour I made 22Qs...best I've done in any contest...and most S&P. By then, 40 had changed and not many contestants to be found and made only 13 Qs the last hour. Although 57 Qs won't win a place in this contest(W0MU had 278Qs at 0332), for me at QRP 5W and first attempt, I'm satisfied.

Gear used: TS850 @ 5W SSB...Antennas, 3el.@40' on 20M and 2 phased verticals on 40M

Contest Program: TR worked great; instant dupe checking, visual check on S/P/Cs worked, visual stations worked by call area nr, accepted receive info in any sequence and easy log/summary printouts.

	Band	QSOs	Points	Mults
Countries				
	40SSB	42	42	10
	20SSB	15	15	9
		57	57	19

Final Score=1140

Hope this will give other contest beginners an idea of what can be done with QRP and modest stations.

73 Floyd NQ7X Phoenix ScQRPion DM33uq QRP-L 343
ARRL AMSAT ARCI G-QRP NORCAL DX WRKD HF=324 SAT=101 QRP=108

Date: Sun, 1 Feb 1998 12:56:51 -0800 (PST)
From: Sam <kc5tja@animeonline.ml.org>
To: David Shalita <af389@lafn.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2658] Re: Sending Circad files via Email
Message-ID: <Pine.LNX.3.96.980201125012.13414D-1000000@animeonline.ml.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> When I send Steve a schematic (20K) and a pcboard (15K) as seperate
> files,
> attached to a tiny email note (500 bytes), he recieves a huge mailnote
> (15K to 35K) where one or both attached files ended not attached but
> in his mailnote as text. Bad!

No, not bad. Just an incompatibility of mailer standards.

It sounds like your e-mail program is attaching then as UUEncoded attachments, instead of MIME attachments. I know for a fact that Eudora Lite can decode MIME, but not UUEncode format (unless you get the Eudora Pro version). My experience is with Eudora Lite 1.5.4, so my guess is that this extends to 3.0.3 as well.

Try changing the binary file attachment format options in your mailer to use MIME instead of UUEncode (assuming it's not already). That -should- solve the problem, all things being equal.

The reason the files "grow" is because it's spreading 8-bit data across 7-bit characters. That basically means, for every three bytes of raw, binary data, 4 bytes of ASCII code is generated. This is because the Internet mail system, unlike AX.25, is still NOT 8-bit clean. Many too many mail exchanges simply can't handle 8-bit data. This is a hold-over from the 60s, when ARPANet (the original implementation of TCP/IP) was first created.

> I need to test my capability to send Circad ascii files via attachment.
> One way is by sending the same pair of files to other Circad Users and
> learn by feedback email,
> if everyone is having troubles like this or not on the receiving end?

Try sending them to me, if you can.

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      QRP-L #1447   |      Chief Architect and Project Founder
                    |      (web page under construction)
=====
```

Date: Sun, 01 Feb 1998 14:51:26 -0500
From: Clay <wyn@worldnet.att.net>
To: adams@chuck.dallas.sgi.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2659] Re: More Elmer statistics
Message-ID: <34D4D23E.5495@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

How can he know that?! This is weird!

72/73,
Clay N4A0X

Chuck Adams wrote:

>

> Yet another statistic

>

> 100% have an unbuilt kit in the closet, if they have a closet.

>

> :-)

>

> Chuck Adams K5FO CP-60

> <http://reality.sgi.com/adams> adams@sgi.com

--

To make a proper reply to my e-mail address, remove the
"<no-spam>" stuff from my return address. Sorry about
the inconvenience, just blame it on the spammers.

Date: Sun, 1 Feb 1998 13:14:08 -0800
From: "Jim Sharp" <lobar@doitnow.com>
To: "QRP group" <qrp-1@Lehigh.EDU>
Subject: [2660] AT11 RFI experiment; longish
Message-ID: <000701bd2f56\$57300660\$849d62cf@default>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_0004_01BD2F13.4770C9A0"

This is a multi-part message in MIME format.

-----=_NextPart_000_0004_01BD2F13.4770C9A0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hello all

I did a little experiment to log the frequencies where AT11 generated =
RFI poses a significant problem.

I believe the AT11 is a very well designed auto tuner and considering =
all of the compromises required for such a design, 10 thru 80 meters, it =
is a good product. My little experiment is not meant to bash the AT11 =
or the manufacturer. =20

I am not able to invoke the sleep mode with my AT11. In semi-auto mode =
or by pushing both cap and inductance buttons. Does anyone know if this =
really should work ?

SETUP:

Kenwood TS140 connected by coax to output of AT11.
Both TS140 and AT11 chassis' connected to shack earth ground system.
No antenna connected to input of AT11 except as indicated
Both TS140 and AT11 separately battery operated. (two separate =
batteries).
Confirmed AT11 source of RFI by turning AT11 off and observing no RFI at =
each frequency.

Without an antenna I quickly realized that the ~7 Hertz pulses from the =
AT11 could be weakly heard most of the time on every band. Hetrodynes =
were everywhere but well below the background noise when an antenna was =
connected. For this reason I quit logging each frequency where weak =
AT11 RFI was heard and instead only logged those frequencies where RFI =
could be heard after the antenna was=20
re-connected.

I would locate a frequency with RFI, connect the antenna and if I could = still hear the RFI, log the frequency for the results, then remove the = antenna and scan for more.

160 meters:

Significant one at 2.000 mHz-- TS140 strength meter read S8.

I hears 8 weak ones which could not be heard with the antenna connected,

75 theu 80 meters:

3.714 mHz -- S5 but hardly audible with antenna connected

4.000 mHz -- S10

16 weak ones could not be detected when antenna was connected.

40 meters:

7.133 mHz -- S3 hardly audible with antenna connected

7.142 mHz -- S9 bad news

Nine weak ones undetected when antenna was connected

30 meters:

Quiet except for 10.143 mHz which was barely audible with antenna = connected.

20 meters:

14.000 mHz S9

14.285 mHz S8 bad news (I couldn't use this QRP calling frequency = during the recent QRP SSB funtest).

Eight weak ones undetected with the antenna connected.

17 meters:

Quiet -- four weak ones barely audible with antenna connected.

15 meters:

21.000 mHz S7

21.107 mHz S2

21.124 mHz S3

21.134 mHz S4

21.1425 mHz S9.5 bad news

21.152 mHz S3

21.250 mHz S2

21.285 mHz S3

Four weak ones barely audible with antenna connected.

12 meters:

24.892 mHz S2

24.9277 mHz S3

One weak one

10 meters
28.000 mHzS10 28.6065 S3
 .004 S3 .6155 S2
 .1415 S4 .6237 S3
 .214 S2 .6425 S3
 .218 S2 .750 S4
 .250 S5 .775 S2 loud pulse
 .275 S3 .7855 S4 bad
 .285 S9 bad news .8215 S2 bad pulse
 .320 S2 .844 thru .855 thru .867 S3 - S9 - S3 =
pretty much unusable
 .357 S3 .875 S2 hum
 .428 S2 .893 S3 bad
 .500 S6 bad news .9275 S3
 .535 S3
 .5625 S3
 .570 S9 bad news
 .580 S2
 .6065 S3

29.000 S7=20
 .107 S2
 .1245 S5
 .1335 S3
 .136 thru .1425 thru .1526 S3 - S9 - S3 unusuable
 .1773 S2 pulse
 .2135 S3
 .285 S3
 .420 thru .428 thru .438 S3 - S9 - S3 unusuable
 .464 S2 hum
 .500 S5 bad
 .5705 S2

72 --- KC7GHP --- Jim in Peoria, Arizona

=20

-----=_NextPart_000_0004_01BD2F13.4770C9A0

Content-Type: text/html;
 charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

```
<META content=3Dtext/html; charset=3Diso-8859-1 =  
http-equiv=3DContent-Type>  
<META content=3D'"MSHTML 4.72.2106.6"' name=3DGENERATOR>  
</HEAD>  
<BODY bgColor=3D#ffffff>  
<DIV><FONT color=3D#000000 size=3D2>Hello all</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2>I did a little experiment to log the =  
frequencies=20  
where AT11 generated RFI poses a significant problem.</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT color=3D#000000 size=3D2>I believe the AT11 is a very well =  
designed auto=20  
tuner and considering all of the compromises required for such a design, =  
10 thru=20  
80 meters, it is a good product.&nbsp;   My little experiment is not meant =  
to bash=20  
the AT11 or the manufacturer.&nbsp;  &nbsp; </FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT size=3D2>I am not able to invoke the sleep mode with my =  
AT11.&nbsp;   In=20  
semi-auto mode or by pushing both cap and inductance buttons.&nbsp;   Does =  
anyone=20  
know if this really should work ?</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT color=3D#000000 size=3D2>SETUP:</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2></FONT><FONT color=3D#000000 =  
size=3D2>Kenwood TS140=20  
connected by coax to output of AT11.</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2>Both TS140 and AT11 chassis' =  
connected to shack=20  
earth ground system.</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2>No antenna connected to input of =  
AT11 except as=20  
indicated</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2>Both TS140 and AT11 separately =  
battery operated.=20  
(two separate batteries).</FONT></DIV>  
<DIV><FONT size=3D2>Confirmed AT11 source of RFI by turning AT11 off and =  
observing=20  
no RFI at each frequency.</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT color=3D#000000 size=3D2>Without an antenna I quickly =  
realized that the=20  
~7 Hertz pulses from the AT11 could be weakly heard most of the time on =  
every=20  
band.&nbsp;   Hetrodynes were everywhere but well below the background =  
noise when=20  
an antenna was connected.&nbsp;   For this reason I quit logging each =
```

frequency=20
where weak AT11 RFI was heard and instead only logged those frequencies =
where=20
RFI could be heard after the antenna was </DIV>
<DIV>re-connected.</DIV>
<DIV> </DIV>
<DIV>I would locate a frequency with RFI, =
connect the=20
antenna and if I could still hear the RFI, log the frequency for the =
results,=20
then remove the antenna and scan for more.</DIV>
<DIV> </DIV>
<DIV>160 meters:</DIV>
<DIV>Significant one at 2.000 mHz-- =
TS140 strength=20
meter read S8.</DIV>
<DIV>I hears 8 weak ones which could not =
be heard=20
with the antenna connected,</DIV>
<DIV> </DIV>
<DIV>75 thou 80 meters:</DIV>
<DIV>3.714 mHz -- =
S5 but hardly=20
audible with antenna connected</DIV>
<DIV>4.000 mHz -- S10</DIV>
<DIV>16 weak ones could not be detected when antenna was=20
connected.</DIV>
<DIV> </DIV>
<DIV>40 meters:</DIV>
<DIV>7.133 mHz =
<FONT=20
color=3D#000000 size=3D2>-- S3 hardly audible with antenna =
connected</DIV>
<DIV>7.142 mHz -- S9 bad news</DIV>
<DIV>Nine weak ones undetected when antenna was=20
connected</DIV>
<DIV> </DIV>
<DIV>30 meters:</DIV>
<DIV>Quiet except for 10.143 mHz which was barely =
audible with=20
antenna connected.</DIV>
<DIV> </DIV>
<DIV>20 meters:</DIV>
<DIV>14.000 mHz S9</DIV>
<DIV>14.285 mHz S8 bad news (I couldn't use this QRP =
calling=20
frequency during the recent QRP SSB funtest).</DIV>
<DIV>Eight weak ones undetected with the antenna=20

[illegible]

[illegible]

<DIV> </DIV>
<DIV>72 --- KC7GHP --- < Jim in =
Peoria,=20
Arizona</DIV>
<DIV> </DIV>
<DIV> </DIV>
<DIV> </DIV></BODY></HTML>

-----=_NextPart_000_0004_01BD2F13.4770C9A0--

Date: Sun, 1 Feb 1998 16:20:21 EST
From: AF5U@aol.com
To: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)
Subject: [2661] How do you
Message-ID: <c0c2cfc6.34d4e717@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

How do you un-list yourself from this QRP-L ??

Date: Sun, 01 Feb 1998 13:43:53 -0800
From: Bill Todd <bill@willapabay.org>
To: RangerSF5@aol.com
Cc: nwq-l@scn.org, qrp-l@Lehigh.EDU
Subject: [2662] Re: NOT QRP - JUNO speed up
Message-ID: <1.5.4.32.19980201214353.00715654@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>In a message dated 98-02-01 12:18:47 EST, you write:

>

><< Subj: Re: NOT QRP - JUNO speed up

> Date: 98-02-01 12:18:47 EST

> From: bill@willapabay.org (Bill Todd)

> To: RangerSF5@aol.com

>I deleted my JUNO and reloaded.All my adds flashed at the top of the screen
>and drove me nuts.

>Since I reloaded ,The adds are no longer there

>I still cant figure out why everyone was getting them at the bottom when I was

>getting them at the top
>Well everything is normal now and hope the adds stay away

Hi Bob -

Within a few days, you will notice that your JUNO program will start slowing down again when JUNO sends out their next generation of ads to all the users. Until then, you will have a faster-operating program. By reloading the JUNO program, you have temporarily removed the problem.

What I (and others) were talking about was the ads that appear at the top of the screen when you are reading the mail or composing a message. What we are trying to do is to eliminate THOSE ads at the top, as it seems that the flashing of THOSE ads are what slows down the operation of the program.

Other folks have been commenting on the automatic JUNO type written ad "tag line" that appears at the bottom of every message you are sending out. You and I do not see that tag line when we send a message out, but the person who receives our E-mail message sees them.

So far, no one has come up with a method of removing that JUNO tag line.

As far as I know, that tag line ad may be placed there by JUNO's central computer in Boston during the processing and "mailing" of the E-mail message to whoever you are sending it to. I have noticed that when I receive a message from another JUNO user, that tag line ad from JUNO does not seem to be there.

CUL, Bill-N7MFB

Date: Sun, 01 Feb 1998 17:25:05 -0500
From: William Penhallegon <w4stx@gte.net>
To: qrp-1@Lehigh.EDU
Subject: [2663] Old stuff
Message-ID: <34D4F641.4EFD@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,

I recall a year or so ago someone on the list was looking for an old slide rule. I was cleaning out some junk this weekend and found my old K&E log log duplpex decitrig slide rule and case. If anyone wants it just let me know.

73, Bill w4stx@gte.net

Date: Sun, 1 Feb 1998 17:29:26 -0500 (EST)
From: Bensondj@aol.com
To: qrp-1@Lehigh.EDU
Cc: n2cx@voicenet.com
Subject: [2664] Novices in the 60's
Message-ID: <980201172926_2128164010@mrin54>

on Fri, 30 Jan 1998,
Joseph Everhart <n2cx@voicenet.com> wrote:

>>To: qrp-1@Lehigh.EDU
>>Subject: [2520] Re: Novice Calls in the 60's

>>Speaking of the dreaded FCC, my best dx as a novice was
>>California, but it was an swl report of sorts. Seems I was (I
>>thought) on 80 meters and tuned up my pi-net 6L6 rig right into
>>a 67 foot piece of wire. Funny though, nobody came back to my
>>3710 kHz CQ's. About a week later, I started getting 00 reports
>>in the mail from all over the country - they were hearing me on
>>7420 kHz! I got very nervous when a pink slip (yeah it was
>>pink) came from a "Candy Company" monitoring station in 6-land....

Cool- Best I could do on 7420 khz was their station near Portland, Maine.
I'm jealous!

73, Dave- NN1G

Date: Sun, 1 Feb 1998 17:32:45 -0500 (EST)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-l@Lehigh.EDU
Subject: [2665] MAV-11 mini-circuits
Message-ID: <Pine.GS0.3.96.980201172913.26508B-100000@joxer.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I need to buy 4 of these. The minimum order from Mini-circuits is 30 and cost about \$50.
If I buy the 30 ; are there any others that might be interested in lots of perhaps 6? I need 3 more people.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Sun, 01 Feb 1998 18:22:14 -0600
From: Mark Gilger <mgilger@concentric.net>
To: qrp-l@Lehigh.EDU
Subject: [2666] EleCraft / SG2020
Message-ID: <3.0.3.32.19980201182214.006dec8c@pop3.concentric.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Has anyone done a comparison between the specifications of the 2020 and EleCrafts new multiband radio?
Both are priced the same, one is pre-assembled, the other a kit. One comes standard with SSB and CW, the other only CW. Which is the better value for the buck? Anyone come up with an answer yet?

Mark WB0IQK #870

Date: Sun, 01 Feb 1998 18:48:19 -0500
From: Ed <edn4pk@VoyagerOnline.net>
To: QRP <qrp-1@Lehigh.EDU>
Subject: [2667] WTB: Key
Message-ID: <34D509C3.9FED3964@VoyagerOnline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Am looking for either a Vibrokey or Brown Bros. Iambic or single lever. Need to complete stand alone QRP station. If you have one of the two and are willing to part with them, let me know.
Tnx...Ed N4PK

Date: Sun, 1 Feb 1998 18:42:53 EST
From: RangerSF5@aol.com
To: EPAQRP-1@Lehigh.EDU, QRP-L@Lehigh.EDU, NJQRP@NJQRP.ORG
Subject: [2668] MISSING SELLERS ADDRESS
Message-ID: <27472120.34d50881@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hope some one out there can help me
Someone was holding an MFJ 20 meter rig for me and I lost the mailing address
I saved it in my mail but it's not there.
I downloaded some other info then hit delete after the print out.
I must have been to fast on the delete key.
Bob
WA2HOQ
ps:The rig up for sale had the keyer and cw filter installed

Date: Sun, 01 Feb 1998 15:52:12 -0700
From: Kory Hamzeh <kory@avatar.com>
To: mgilger@concentric.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [2669] Re: EleCraft / SG2020
Message-ID: <3.0.5.32.19980201155212.009bbcf0@ns1.avatar.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 06:22 PM 2/1/98 -0600, Mark Gilger wrote:

>Has anyone done a comparison between the specifications of the 2020 and
>EleCrafts new multiband radio?
>Both are priced the same, one is pre-assembled, the other a kit. One comes
>standard with SSB and CW, the other
>only CW. Which is the better value for the buck? Anyone come up with an
>answer yet?
>
>Mark WB0IQK #870
>

If your going straight for "best bang for the buck", then it looks like the SGC 2020 will win. The K2 (I think) weighs less and uses less RX current. The K2 will have an optional auto antenna tuner or a 50 watt PA.

I will still purchase the K2 over the 2020 because of the learning experience and the fun/excitement of building it myself. That, you can not buy.

Hope I've help you.

Kory
AC6RN

Date: Sun, 01 Feb 1998 12:39:00 -0500
From: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
To: thom@li.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2670] Re: Novice Round-Up?
Message-ID: <34D4B334.226F@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thom wrote:

>
> Hi All,
> I thought the NR was cancelled due to lack of interest!?!
> Tom
> WB2QDG
>

No, the ARRL dropped it, but the FIST Club took it over as it fits in

with our aim of developing new CW operators.

--

73 de
KI8CZ
Tom Isgro
OHIO

<http://www.qsl.net/ki8cz>

10-X #68364	SCI #1479	QRP-L #945	ARS #203
C.A.T.T #2115	FIST 2360	NORCAL	ARRL

Date: Sun, 01 Feb 1998 15:53:52 -0800
From: Laura Halliday <ve7ldh@direct.ca>
To: qrp-l@Lehigh.EDU
Subject: [2671] Economic reality (was: Juno)
Message-ID: <34D50B10.60EB34B@direct.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm not a list-cop or anything, but I thought we'd agreed
such stuff was off-limits for the list?

Let's face it: *somebody* has to pay for your net access.

If you're too cheap to pay an ISP the pittance Internet
access costs these days, you must use one of the freebie
services, who support themselves by selling advertising.
If you defeat the ads, you lessen the ad response, advertisers
stop buying ads on Juno and its ilk, and POOF! the service
disappears. Faster than a backwards tantalum capacitor...

We now return you to our regularly scheduled QRP-L.

...laura

End of QRP-L Digest 988
